the date shown below:

Typed or printed name

Zeina Smith

Signature

02/15/2005

PTO/SB/21 (09-04) Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid QMB control number. Application Number 10/625,386 Filing Date TRANSMITTAL July 23, 2003 RECEIVED First Named Inventor **FORM** Sundeep Chauhan CENTRAL FAX CENTER Art Unit 2816 -EB 1 5 2005 Examiner Name Hai Ngyuen (to be used for all correspondence after initial filing) **Attorney Docket Number** STL10986 Total Number of Pages in This Submission **ENCLOSURES** (Check all that apply) After Allowance Communication to TC Drawing(s) Fee Transmittal Form Appeal Communication to Board Licensing-related Papers of Appeals and Interferences Fee Attached Appeal Communication to TC \mathbf{x} Petition (Appeal Notice, Brief, Reply Brief) Amendment/Reply Petition to Convert to a Proprietary Information Provisional Application After Final Power of Attorney, Revocation Status Letter Change of Correspondence Address Affidavits/declaration(s) Other Enclosure(s) (please identify Terminal Disclaimer **Extension of Time Request** below): Request for Refund Express Abandonment Request CD, Number of CD(s) Information Disclosure Statement Landscape Table on CD Remarks Certified Copy of Priority Document(s) Reply to Missing Parts/ Incomplete Application Reply to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Name Seagate Technology LLC Signature Printed name David K. Lucente Reg. No. Date 36,202 CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Sundeep Chauhan

Examiner:

Hai Ngyuen

Serial No.:

10/625,386

Group Art Unit:

2816

Filed:

Docket No.: July 23, 2003

\$TL10986

Title:

HIGH SPEED DIGITAL PHASE/FREQUENCEY COMPARATOR FOR

PHASE LOCKED LOOPS

Reply to Office Action

Mail Stop AF Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

RECEIVED **CENTRAL FAX CENTER** FEB 1 5 2005

Dear Sir:

This Reply is responsive to the Office Action mailed November 17, 2004. Please amend the application as follows and consider the ensuing remarks.